

TABLE OF CONTENTS

BAKER, DONALD G., BRUCE F. WATSON, and RICHARD H. SKAGGS / The Minnesota Long-Term Temperature Record	225
BAKER, DONALD G., <i>see</i> Skaggs, Richard H.	
BERGTHORSSON, PALL / Sensitivity of Icelandic Agriculture to Climate Variations	111
CARTER, T. R., <i>see</i> Parry, M. L.	
CESS, ROBERT D. / Nuclear War: Illustrative Effects of Atmospheric Smoke and and Dust upon Solar Radiation	237
CLARK, WILLIAM C. / Scales of Climate Impacts	5
EMANUEL, WILLIAM R., HERMAN H. SHUGART, and MARY P. STEVENSON / Climatic Change and the Broad-Scale Distribution of Terrestrial Ecosystem Complexes	29
FRITTS, H. C. and J. M. LOUGH / An Estimate of Average Annual Temperature Variations for North America, 1602 to 1961	203
GATES, W. LAWRENCE / The Use of General Circulation Models in the Analysis of the Ecosystem Impacts of Climatic Change	267
GLANTZ, MICHAEL H., <i>see</i> Stewart, Thomas R.	
GORNITZ, V. and NASA / A Survey of Anthropogenic Vegetation Changes in West Africa During the Last Century - Climatic Implications	285
HENDERSON-SELLERS, A., M. F. WILSON, and G. THOMAS / The Effect of Spatial Resolution on Archives of Land Cover Type	391
JIA-YOU, HUANG and WANG SHAO-WU / Investigations on Variations of the Subtropical High in the Western Pacific During Historic Times	427
KAUPPI, PEKKA and MAXIMILIAN POSCH / Sensitivity of Boreal Forests to Possible Climatic Warming	45
LAURMANN, JOHN A. / The Global Greenhouse Warming Problem: Setting the Priorities - A Guest Editorial	261
LOUGH, J. M., <i>see</i> Fritts, H. C.	
MICHAELS, PATRICK J. / Economic and Climatic Factors in 'Acreage Abandonment' over Marginal Cropland	185
MORGAN, V. I. / An Oxygen Isotope - Climate Record from the Law Dome, Antarctica	415
NASA and V. GORNITZ / A Survey of Anthropogenic Vegetation Changes in West Africa During the Last Century - Climatic Implications	285
NEUMANN, J. / Climatic Changes as a Topic in the Classical Greek and Roman Literature	441
NKEMDIRIM, LAWRENCE C. and D. VENKATESAN / An Urban Impact Model for Changes in the Length of the Frost Free Season at Selected Canadian stations	343
ORAM, P. A. / Sensitivity of Agricultural Production to Climatic Change	129
PARRY, MARTIN L. / Estimating the Sensitivity of Natural Ecosystems and Agriculture to Climatic Change - Guest Editorial	1

TABLE OF CONTENTS

PARRY, M. L. and T. R. CARTER / The Effect of Climatic Variations on Agricultural Risk	95
POSCH, MAXIMILLIAN, <i>see</i> Kauppi, Pekka	
ROSENZWEIG, CYNTHIA / Potential CO ₂ -Induced Climate Effects on North American Wheat-Producing Regions	367
ROWNTREE, LESTER B. / A Crop-Based Rainfall Chronology for Pre-Instrumental Record Southern California	327
SANTER, BENJAMIN / The Use of General Circulation Models in Climate Impact Analysis - A Preliminary Study of the Impacts of a CO ₂ -Induced Climatic Change on West European Agriculture	71
SCHNEIDER, STEPHEN H. / Science by Consensus: The Case of the National Defense University Study 'Climatic Change to the Year 2000' - An Editorial	153
SCHNEIDER, STEPHEN H. / Editorial	365
SHAO-WU, WANG, <i>see</i> Jia-You, Huang	
SHUGART, HERMAN H., <i>see</i> Emanuel, W. R. <i>et al.</i>	
SKAGGS, RICHARD H. and DONALD G. BAKER / Fluctuations in the Length of the Growing Season in Minnesota	403
SKAGGS, RICHARD H., <i>see</i> Baker, D. G. <i>et al.</i>	
STEVENSON, MARY P., <i>see</i> Emanuel, W. R. <i>et al.</i>	
STEWART, THOMAS R. and MICHAEL H. GLANTZ / Expert Judgment and Climate Forecasting: A Methodological Critique of "Climate Change to the Year 2000"	159
THOMAS, G., <i>see</i> Henderson-Sellers, A. <i>et al.</i>	
VENKATESAN, D., <i>see</i> Nkemdirim, Lawrence C.	
WATSON, BRUCE F., <i>see</i> Baker, Donald G. <i>et al.</i>	
WILLIAMS, G. DAN V. / Estimated Bioresource Sensitivity of Boreal Forests to Possible Climatic Warming	45
WILSON, M. F., <i>see</i> Henderson-Sellers, A. <i>et al.</i>	
 BOOK REVIEWS	
Oliver M. Ashford, <i>Prophet or Professor? The Life and Work of Lewis Fry Richardson</i> (KENNETH E. BOULDING)	461
Robert S. Chen, Elise Boulding, and H. Schneider (eds.), <i>Social Science Research and Climate Change</i> (SHERRY D. OAKS)	256
Paul R. Ehrlich, Carl Sagan, Donald Kennedy, and Walter Orr Robers, <i>The Cold and the Dark: The World after Nuclear War</i> (A. BARRIE PITTOCK)	253
René Frécaut and Pierre Pagny, <i>Dynamique des Climats et de l'Ecoulement Fluvial</i> (MICHEL M. VERSTRAETE)	258
Edgar R. Lemon (ed.), <i>CO₂ in Plants: The Response of Plants to Rising Levels of Atmospheric Carbon Dioxide</i> (NORMAN J. ROSENBERG)	462
Julius London and Gilbert F. White (eds.), <i>The Environmental Effects of Nuclear War</i> (L. D. DANNY HARVEY)	464
J. Oerlemans and C. J. van der Veen, <i>Ice Sheets and Climate</i> (TAMARA SHAPIRO LEDLEY)	363

TABLE OF CONTENTS

CORRESPONDENCE

Comment on 'Climatic Change and the Broad-Scale Distribution of Terrestrial Ecosystem Complexes' (PETER R. ROWNTREE)	455
Response to Comment on 'Climatic Change and the Broad-Scale Distribution of Terrestrial Ecosystem Complexes' (WILLIAM R. EMANUEL, HERMAN H. SHUGART, and MARY STEVENSON)	457